Inorganic Nitrate (NaNO3) Prevention of Contrast-Associated Acute Kidney Injury

NCT07016074

Status	RECRUITING
Phase	Phase 2
Sponsor	University of Michigan
Enrollment	100 participants

Key Eligibility Criteria

Inclusion (9)

- Planned coronary angiogram or contrast-enhanced CT scan.
- High-risk for contrast-associated acute kidney injury (AKI) with creatine/Glomerular filtration rate (GFR) within 90 days as defined as:
- Undergoing coronary angiogram with GFR \<45 mL/min/1.73m2 OR
- Undergoing coronary angiogram with GFR \<60 mL/min/1.73m2 and concurrent risk of AKI as defined by Hamilton et al. BMC2 risk prediction model e 7%.
- OR

... and 4 more (see full listing online)

Exclusion (10)

- Already fulfilling definition of acute kidney injury prior to contrast exposure by kidney disease improving global outcomes (KDIGO) criteria (absolute increase in creatinine from baseline of 0.3mg/dL or more OR relative increase in creatine of 50% or more from baseline).
- Primary indication for Percutaneous Coronary Intervention (PCI) including acute ST-segment elevation myocardial infarction
- End-stage renal disease actively on dialysis.
- Received any intravenous or intraarterial contrast within five days from planned contrast administration.
- Cardiac arrest within 14 days of planned contrast administration.

... and 5 more (see full listing online)

Locations (1 total)

University of Michigan, Ann Arbor, Michigan, United States